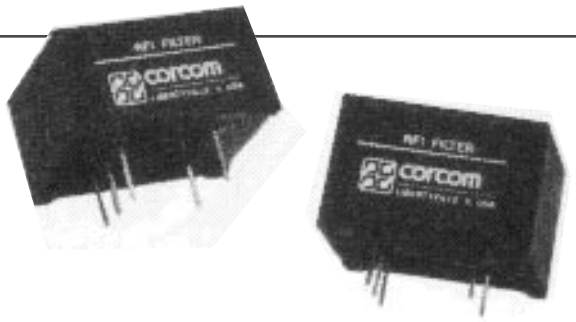
EDP, EOP Series

PC Board Mountable
RFI Filters
for General Purpose Applications

UL Recognized
CSA Certified
VDE Approved



EDP Series

The EDP series RFI filters provide enhanced differential mode performance for applications requiring more line-to-line protection. The EDP filters feature low leakage current for European safety requirements.

This series is likewise PC board mounted and is only slightly taller than the EOP series filters. The EDP filters are also available up to 10 amps.

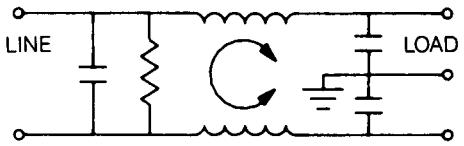
EOP Series

The EOP series RFI power line filters are general purpose filters which are effective in removing both common and differential mode noise for susceptibility applications. These filters have low leakage current for European safety requirements.

The compact design allows PC mounting with minimal space requirements. Available from 1 to 10 amps, the filters provide a cost effective alternative to on board components.

Electrical Schematic

EDP/EOP



Resistor location for reference only.

Specifications

Maximum leakage current, each
line-to-ground @ 120 VAC 60 Hz: .22 mA
@ 250 VAC 50 Hz: .38 mA

Hipot rating (one minute):
line-to-ground 1500 VAC
line-to-line 1450 VDC

Operating frequency: 50/60 Hz

Rated voltage: 120/250 VAC

Rated current:	@ 120 VAC	@ 250 VAC
1EDP/1EOP	1A	1A
3EDP/3EOP	3A	3A
6EDP/6EOP	6A	6A
10EDP/10EOP	10A	10A

EOP — Minimum insertion loss in dB:
Line-to-ground in 50 ohm circuit

Current Rating	Frequency-MHz .15	.5	1	5	10	30
1	32	41	54	54	46	40
3	18	28	35	41	40	40
6	10	20	28	37	40	40
10	5	14	19	27	33	40

Line-to-line in 50 ohm circuit

Current Rating	Frequency-MHz .15	.5	1	2	4	10	20	30
1	1	6	19	39	48	52	38	35
3	1	4	9	9	28	41	36	35
6	1	4	9	9	40	40	42	35
10	1	4	9	9	14	35	42	35

EDP — Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	Frequency-MHz .15	.5	1	5	10	30
1	32	41	54	54	46	40
3	18	28	35	41	40	40
6	10	20	28	37	40	40
10	5	14	19	27	33	40

Line-to-line in 50 ohm circuit

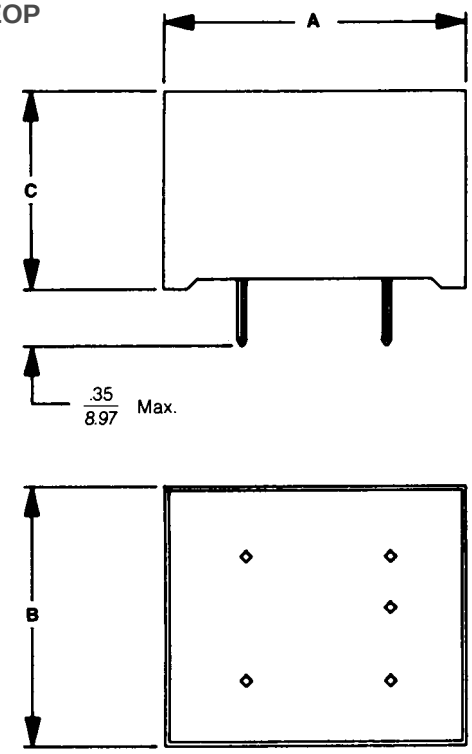
Current Rating	Frequency-MHz .15	.5	1	5	10	30
1	4	14	42	42	44	38
3	4	14	24	38	38	38
6	4	14	22	30	34	34
10	6	16	22	40	50	45

corcom
Libertyville, IL (847) 680-7400

Case Style

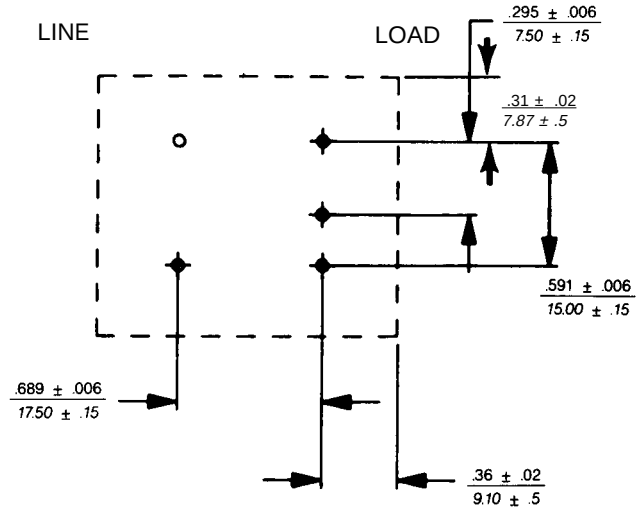
Metric shown in italics.

EDP/EOP



Pins .025 square

Mounting Holes Pattern & Clearance



Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)
EDP	1.44 *36.6*	1.24 *31.5*	0.95 *24.15*
EOP	1.44 *36.6*	1.24 *31.5*	0.78 *19.9*

Pricing

Consult your local Corcom sales representative for pricing.

Part No.	Part No.
1EDP	1EOP
3EDP	3EOP
6EDP	6EOP
10EDP	10EOP